Qingyun Duan
Beijing Normal University

Qingyun Duan is currently a professor of hydrology and water resources at Beijing Normal University (BNU) in China. Prior to his current position, he worked at U.S. NOAA Hydrology Laboratory from 1991 to 2003 and U.S. Department of Energy Lawrence Livermore National Laboratory from 2004 to 2009. His research interests include: hydrology and water resources, hydrological model development and calibration, hydrometeorological ensemble forecasting, and uncertainty quantification for large complex system models. He is the developer of several operational hydrometeorological models used in the US National Weather Service. He is also the developer of the Shuffled Complex Evolution method, one of the most popular optimization methods used in hydrological model calibration today. His recent work includes the development of uncertainty quantification software platform for large complex system models – Uncertainty Quantification Python Laboratory (UQ-PyL), and the BNU Hydrological Ensemble Prediction System (BNU-HEPS). Dr. Duan has been active in many international scientific activities, including serving as the leader of the Model Parameter Estimation Experiment (MOPEX) and a member of the scientific steering committees of the Global Energy and Water Exchange (GEWEX) Project and the Hydrological Ensemble Prediction Experiment (HEPEX). He was or is serving as an editor or editorial board member for numerous scientific journals, including Bulleting of American Meteorological Society and Water Resources Research. Dr. Duan is a recipient of Chinese Government "One-Thousand Talents Program" award, a Fellow of American Geophysical Union and American Meteorological Society.